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QUIZZES

Practice Test-1(Alkyl Halides)



10 Questions



7 min

Topics

Classification and Nomenclature of alkyl halides,
Discuss Structure and Reactivity of Alkyl Halides

Start Quiz

SAEED MDCAT

SAEED MDCAT TEAM



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06 : 58



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1/10



7 min



Hint

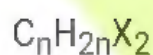
Q:

The general formula of alkyl halides is:

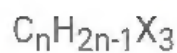
A



B



C



D

All of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

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06 : 55



2/10



7 min

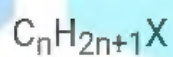


Hint

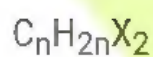
Q:

The general formula of primary alkyl halides is:

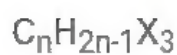
A



B



C



D

All of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

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06 : 51



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3/10



7 min

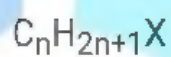


Hint

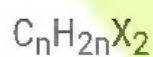
Q:

The general formula of secondary alkyl halides is:

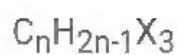
A



B



C



D

All of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

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06 : 48



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4/10



7 min



Hint

Q:

$C_nH_{2n}X_2$ is the general formula of

A

Mono haloalkanes

B

Di- haloalkanes

C

Tri- haloalkanes

D

none of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

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06 : 45



5/10



7 min



Hint

Q:

Tertiary alkyl halide is that which

A

have only one halogen atom

B

have tertiary carbon atom

C

have three β -carbons

D

All of these

1

2

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7

06 : 41



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6/10



7 min



Hint

Q :

1-Chloro-2,2-dimethylpropane also known as

A

Isobutyl chloride

B

Neopentyl chloride

C

Tertiary butyl chloride

D

Isopropyl chloride

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

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06 : 38



7/10



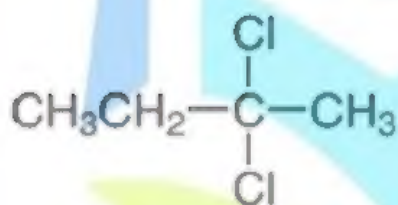
7 min



Hint

Q:

The IUPAC name of following compound is



A

1-Chloro-2-methylpropane

B

2-Chloro-2-methylpropane

C

2,2-Dichlorobutane

D

2-Chloro-4-methylbutane

1

2

3

4

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7

06 : 35



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8/10



7 min



Hint

Q :

2-Bromopentane reacts with Alcoholic KOH to give

A

1-pentene

B

1-pentanol

C

2-pentene

D

2-pentanol

SAEED MDCAT

SAEED MDCAT TEAM



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4

5

6

7

8

9

10

06 : 31



9/10



7 min



Hint

Q :

The rate of E_1 reaction depends upon concentration of

A

Substrate only

B

Substrate as well as nucleophile

C

Nucleophile only

D

None of these

4

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10



SAEEDMDCAT

Q:

of the following decides the reactivity of alkyl halides

- ☐ C C bond strength
 - ☐ C – H bond strength
 - ☐ C – X bond strength
 - ☐ C – X bond polarity
- 1.

SAEED MDCAT

SAEED MDCAT TEAM

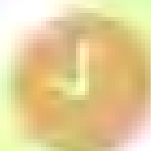
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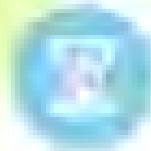


QUIZ RESULT

Practice Test-1(Alkyl Halides)



Time



Score



C/10



0%

SAEED MDCAT

SAEED MDCAT TEAM

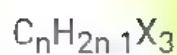
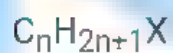


SAEEDMDCAT



Q:

The general formula of alkyl halides is:




☒ All of these

SAEED MDCAT

SAEED MDCAT TEAM

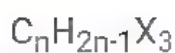
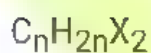
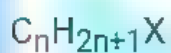
Explanation

 SAEEDMDCAT

Mono halo alkanes ($R - X$) are called alkyl halide

Q.

The general formula of primary alkyl halides is:



☐ All of these

SAEED MDCAT TEAM

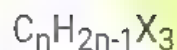
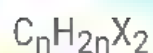
Explanation

SAEEDMDCAT

Mono halo alkanes ($R - X$) are called alkyl halide. These are classified as primary, secondary and tertiary. All have same general formula. The difference in the position of halo group

Q:

The general formula of secondary alkyl halides is:



☐ All of these

Explanation

Mono halo alkanes ($R - X$) are called alkyl halide. These are classified as primary, secondary and tertiary. All have same general formula. The difference in the position of halo group

Q:

$C_nH_{2n}X_2$ is the general formula of

Mono haloalkanes

Di- haloalkanes

Tri- haloalkanes

none of these

Explanation

Di- haloalkanes have two halogens

Incorrect

Q:

Tertiary alkyl halide is that which

have only one halogen atom

have tertiary carbon atom

have three β -carbons

All of these

Explanation

SAEEDMDCAT

Tertiary alkyl halides are type of mono-haloalkanes



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correct

6/10

Q:

1-Chloro-2,2-dimethylpropane also known as



Isobutyl chloride



Neopentyl chloride



Tertiary butyl chloride



Isopropyl chloride

SAEED MDCAT

SAEED MDCAT TEAM



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reacti



orrect

:

Unattempted



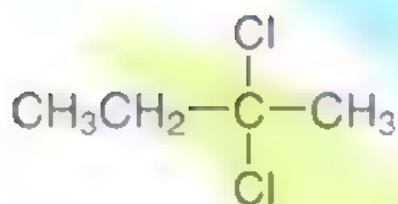
incorrect



7/10

Q:

The IUPAC name of following compound is



1-Chloro-2-methylpropane



2-Chloro-2-methylpropane



2,2-Dichlorobutane



2-Chloro-4-methylbutane



Correct



Unattempted



Incorrect



8/10

Q:

2-Bromopentane reacts with Alcoholic KOH to give



1-pentene



1-pentanol



2-pentene



2-pentanol

SAEED MD CAT TEAM



SAEEDMDCAT



Incorrect



Correct

Q:

The rate of E_1 reaction depends upon concentration of



Substrate only



Substrate as well as nucleophile



Nucleophile only



None of these



SAEEDMDCAT

Explanation

$$\text{Rate} = k [R - X]^1 \text{ or } \text{Rate} = k [\text{Substrate}]^1$$



correct



10/10

Q:

of the following decides the reactivity of alkyl halides



C – C bond strength



C – H bond strength



C – X bond strength



C – X bond polarity

1.

Explanation

Deciding factor for the reactivity of alkyl halide is
C – X bond strength

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QUIZZES

Practice Test-1(Alcohols and Phenols)

10 Questions

1 hour

10 Marks

SAEED MDCAT

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

Q : The IUPAC name of secondary butyl alcohol is

- ☐ 1-Butanol
- ☒ 2-Butanol
- ☐ 2-Methyl 2-propanol
- ☐ n-Butanol

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT



Q : In tertiary alcohols the tertiary carbon is attached to

- ☐ One hydrogen atom
- ☒ Two hydrogen atoms
- ☐ Three hydrogen atoms
- ☐ One hydroxal group

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Which of the following can be obtained by inorganic raw materials?

- ☐ Methyl alcohol
- ☐ Ethyl alcohol
- ☐ Diethyl ether
- ☐ Phenol

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Which one is NOT used for denaturing of alcohol

- ☐ Methanol
- ☐ Pyridine
- ☐ Acetone
- ☐ Alanine

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Which enzyme is not involved in the formation of alcohol

- ☐ Diastase
- ☒ Zymase
- ☐ Urease
- ☐ Invertase

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q:

Ethanol is denatured by addition of 10% methanol to make it unfit for drinking is called

- ☐ Rectified spirit
- ☐ Methylated spirit
- ☐ Absolute alcohol
- ☐ Commercial alcohol

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT



Q : Aldehyde are prepared by the oxidation of

- ☐ Primary alcohols
- ☐ Tertiary alcohols
- ☐ Secondary alcohols
- ☐ Secondary alcohols

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Which of the following alcohol oxidizes easily

- ☐ Primary
- ☐ Tertiary
- ☐ Secondary
- ☐ All can be oxidize with equal ease

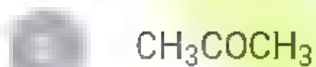
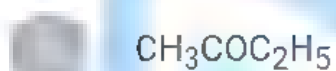
SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT



Q : Ethyl alcohol is heated with conc. H_2SO_4 at 180°C .
The product formed



SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT



Q : Dehydration products of alcohols are

- ☐ Alkanes
- ☒ Alkenes
- ☐ Alkynes
- ☐ Aldehydes

SAEED MDCAT

SAEED MDCAT TEAM

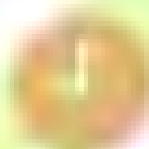
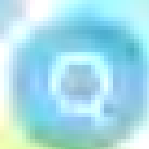
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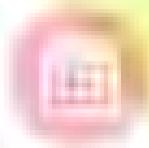


QUIZ RESULT

Practice Test-1(Alcohols and Phenols)



1 hr



1 hr



0/10

0%

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT





Correct



Question No.



Incorrect



1/10

Q : The IUPAC name of secondary butyl alcohol is



1 Butanol



2-Butanol



2-Methyl 2-propanol



n-Butanol

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



Correct



Unattempted



Incorrect



2/10

Q : In tertiary alcohols the tertiary carbon is attached to



One hydrogen atom



Two hydrogen atoms



Three hydrogen atoms



One hydroxyl group

Explanation

SAEED MDCAT TEAM

In tertiary alcohol, tertiary carbon is attached to one hydroxyl group three carbons and no hydrogen.

SAEEDMDCAT



Correct



Question No.



Incorrect



3/10

Q : Which of the following can be obtained by inorganic raw materials?



Methyl alcohol



Ethyl alcohol



Diethyl ether



Phenol

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



correct



4/10

Q : Which one is NOT used for denaturing of alcohol



Methanol



Pyridine



Acetone



Alanine

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



Correct



Question Number



Incorrect



5/10

Q : Which enzyme is not involved in the formation of alcohol



Diastase



Zymase



Urease



Invertase

SAEED MDCAT

Explanation

SAEED MDCAT TEAM

Urease carries out hydrolysis of urea.

SAEEDMDCAT



correct



6/10

Q:

Ethanol is denatured by addition of 10% methanol to make it unfit for drinking is called



Rectified spirit



Methylated spirit



Absolute alcohol



Commercial alcohol

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



correct



7/10

Q : Aldehyde are prepared by the oxidation of



Primary alcohols



Tertiary alcohols



Secondary alcohols



Secondary alcohols

Explanation

Aldehyde are prepared by the oxidation of primary alcohols





correct



8/10

Q : Which of the following alcohol oxidizes easily



Primary



Tertiary



Secondary



All can be oxidize with equal ease

Explanation

Primary alcohol is less sterically hindered.



SAEEDMDCAT



Correct



Unanswered



Incorrect



9/10

Q : Ethyl alcohol is heated with conc. H_2SO_4 at $180^\circ C$.
The product formed



$CH_3COC_2H_5$



C_2H_4



CH_3COCH_3



C_2H_2

SAEED MDCAT

Explanation

SAEED MDCAT TEAM

At $180^\circ C$ elimination is favoured over substitution.



SAEEDMDCAT



Correct



Question Number



Incorrect



10/10

Q : Dehydration products of alcohols are



Alkanes



Alkenes



Alkynes



Aldehydes

Explanation

Dehydration is an example of elimination reaction which will produce alkene.



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QUIZZES

Practice Test-2 (Alcohols and Phenols)

100 Questions

1 Hour

10 Marks

SAEED MDCAT

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

Q:

Which one of the following is not property of phenol

- ☐ It is insoluble in water
- ☒ It is weaker acid than carboxylic acid
- ☐ It is less reactive to nucleophiles
- ☐ It is poisonous nature

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Phenol reacts with alkaline acetyl chloride to form

- ☐ Arial
- ☐ Phenyl acetate
- ☒ *para*-Hydroxy acetophenone
- ☐ Acetophenone

SAEED MDCAT

SAEED MDCAT TEAM

 SAEEDMDCAT

Q : Which of the following is least acidic

- ☐ Ethanoic acid
- ☐ Phenol
- ☐ Water
- ☐ Ethanol

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Which of the following shows more acidic strength?

☐ RCOOH

☐ HOH

☐ $\text{C}_6\text{H}_5\text{OH}$

☐ ROH

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Which one of the following is not property of phenol

- ☐ It is insoluble in water
- ☒ It is weaker acid than carboxylic acid
- ☐ It is less reactive to nucleophiles
- ☐ It is poisonous nature

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : When phenol is treated with Zn, the product formed is

- ☐ Benzoic acid
- ☒ Benzene
- ☐ Toluene
- ☐ Phenyl acetate

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT



Q : Nitration of phenol produces an explosive called

- ☐ O-Nitrophenol
- ☐ Picric acid
- ☐ TNT
- ☐ Carbolic acid

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Phenol is

- ☐ White PPt
- ☐ Brown liquid
- ☐ Rddish brown liquid
- ☐ Colorless

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT

Q : Which of the following is not the property of phenol?

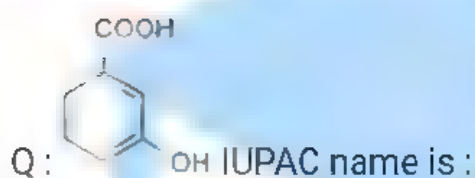
- ☐ phenol is colorless
- ☐ It is crystalline solid
- ☐ It is sparingly soluble in water
- ☐ All are properties of phenol

SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT





☐ 3-Hydroxybenzoic acid

☐ p-Hydroxybenzene carboxylic acid

☐ 3-carboxyl phenol

☐ m-Hydroxybenzoic acid

SAEED MDCAT

SAEED MDCAT TEAM

 SAEEDMDCAT



QUIZ RESULT

Practice Test-2(Alcohols and Phenols)



SAEED MDCAT

SAEED MDCAT TEAM

SAEEDMDCAT



Correct



Question 1



Incorrect



1/10

Q:

Which one of the following is not property of phenol



It is insoluble in water



It is weaker acid than carboxylic acid



It is less reactive to nucleophiles



It is poisonous nature

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



correct



2/10

Q : Phenol reacts with alkaline acetyl chloride to form



Arial



Phenyl acetate



para-Hydroxy acetophenone



Acetophenone

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



correct



3/10

Q : Which of the following is least acidic



Ethanoic acid



Phenol



Water



Ethanol

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



Correct



SAEEDMDCAT



Incorrect



4/10

Q : Which of the following shows more acidic strength?



RCOOH



HOH



$\text{C}_6\text{H}_5\text{OH}$



ROH

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



correct



5/10

Q : Which one of the following is not property of phenol



It is insoluble in water



It is weaker acid than carboxylic acid



It is less reactive to nucleophiles



It is poisonous nature

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



correct



6/10

Q : When phenol is treated with Zn, the product formed is



Benzoic acid



Benzene



Toluene



Phenyl acetate

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



Practice Test-2 (Alcohols and Phenols)



Correct



Unattempted



Incorrect



7/10

Q : Nitration of phenol produces an explosive called



A O-Nitrophenol



B Picric acid



C TNT



D Carbolic acid

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7



Practice Test-2 (Alcohols and Phenols)



Correct



Unattempted



Incorrect



8/10

Q : Phenol is

A

White PPt

B

Brown liquid

C

Rddish brown liquid

D

Colorless

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

6

7

8

9

10



Practice Test-2 (Alcohols and Phenols)



Correct



Unattempted



Incorrect



9/10

Q : Which of the following is not the property of phenol?



A phenol is colorless



B It is crystalline solid



C It is sparingly soluble in water



D All are properties of phenol

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



Practice Test-2 (Alcohols and Phenols)



Correct



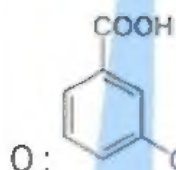
Unattempted



Incorrect



10/10



IUPAC name is :

A

3-Hydroxybenzoic acid

B

p-Hydroxybenzene carboxylic acid

C

3-carboxyl phenol

D

m-Hydroxybenzoic acid

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT